AUTHOR INDEX

Albina, M. L., 455
Alexander, N., 731
Alméras, N., 811
Alster, P., 679
Anderson, W. R., 225
Andersson, G., 851
Apelqvist, G., 851
Asarian, L., 199
Avgustinovich, D. F., 37

Badia-Elder, N. E., 149
Balaban, C. D., 181
Baldwin, D. R., 447
Baliko, C. N., 597
Barnard, C. J., 907
Barney, C. C., 763
Bartlett, E. S., 425
Batsell, W. R., Jr., 437
Bättig, K., 671
Baudoin, C., 209
Bauman, R. A., 279
Beattie, M. S., 57
Behnke, J. M., 907
Bengtsson, F., 851
Berger, C. L., 191
Bernstein, I. L., 775
Bestmann, H. J., 957
Bhagavan, S., 107
Bisazza, A., 31
Blasberg, M. E., 265
Bliven, T., 895
Boccia, M. L., 191
Boissy, A., 693
Bolwahnn, B. L., 543
Bonaventura, N., 499
Bondurant, T., 843
Bouchard, C., 811
Bovbjerg, D. H., 737
Bowers, K. S., 597
Bresnahan, J. C., 57
Brewster, M. E., 225
Briese, E., 659
Briggs, S. J., 863
Brown, H., 907
Brunstrom, J. M., 667
Burggraf, K. K., 787

Cabanac, M., 131
Cabib, S., 499
Cantalupo, C., 31
Carlson, J. N., 525
Castro, W. L. R., 477
Catelli, D., 395
Cervantes, M., 285
Charnay, Y., 649
Cheng, B., 701
Christopher, D. E., 181
Christopher, N. C., 863
Clark, A. S., 265
Clark, M. M., 77, 513
Clemens, L. G., 889
Clifton, P. G., 1
Coimbra, C. C., 215
Colomina, M. T., 455
Connor, D. F., 359
Cook, C. B., 743
Coover, G. D., 45
Corbella, J., 455
Corbett, A., 857
Corp, E. S., 823
Corr, S. A., 493
Corrêa, J. B., 395
Crews, D., 513
Cunningham, M. J., 525
Curcio, M., 823
Cushing, B. S., 955

Dagnault, A., 131
Dalmaz, C., 395
Danilova, V., 829
Dantzer, R., 873
Dapper, V., 395
Dark, J., 521
Davis, J. D., 127, 475
Dawson, D., 795
De Castro, M. G. B., 215
de Cock, W., 419
De Graaf, K., 343
Deinzer, R., 507
Deiss, V., 209
De Luca, B., 687
Dennis, S. C., 701
De Saint Hilaire, Z., 649
Desiraju, T., 411
Dess, N. K., 149
Devore, M. L., 169
Dickerman, R. D., 771
Domingo, J. L., 455
Doucet, P., 661
Drucker, D. B., 351
Duan, Y.-F., 325
Dudley, R. T., 627

Edwards, G. L., 433
Eggert, F., 957
el Ahmadi, A., 919
el Massioui, N., 577
Ely, D. R., 395

Fadem, B. H., 857
Faure, J. M., 803
Ferrari, F., 563
Ferreira, A., 779
Ferreira, M. B. C., 395
Ferris, C. F., 359
Ferstl, R., 957
Foscolo, R. B., 215
Fouraker, M., 771
Francès, H., 653
Francis, R., 895
Franck, G., 653
Fujisaki, Y., 603
Fukushima, M., 633

Gage, A. R., 907
Gaillard, J.-M., 649
Galef, B. G., Jr., 77, 513
Gamaro, G. D., 395
Geary, N., 199, 243
Gentle, M. J., 493
Gheusi, G., 873
Ghosh, S., 279
Gibbs, J., 823
Gill, C. J., 387
Gispan, I. H., 819
Gisquet-Verrier, P., 577
Giuliani, D., 563
Giza, B. K., 319, 373
Gleeson, T. T., 175
Glick, S. D., 525
Golaz, J., 649
Gonzalez-Lima, F., 513
Goodwin, G. A., 895
Gorbach, O. V., 37
Gramling, S. E., 301
Gray, M. J., 749
Grayson, R. L., 301
Green, E. J., 325
Gresele, C., 507
Grimm, J. W., 755
Grossman, B. M., 169
Guevara, M. A., 285
Guinard, J.-X., 591

Haberkorn, K., 957
Hanamori, T., 707
Hang, P. T. X., 359
Hargrave, K. R., 619
Harris, R. B. S., 249
Harrison, R. J., 359
Harvey, C., 181
Hasenfratz, M., 671
Hashiguchi, H., 731
Hayes, M. J., 101
Hellekant, G., 829
Hellhammer, D. H., 507
Henderson, R. P., 83
Henrotte, J. G., 653
Hernandez-Gonzalez, M., 285
Herrick, S. E., 101
Heyman, G. M., 119
Hijazi, A. S., 191
Hindfelt, B., 851
Hite, R. F., 955
Holder, M. D., 311
Holmes, G. M., 57
Hoor, F. T., 939
Horii, A., 884
Hrupka, B. J., 243
Huang, Y., 325
Hunter, L. N., 493

Ice, J. C., 71
Iki, K., 707
Ingram, J. R., 931
Inoue, K., 603
Ishizuka, Y., 707

Jansen, A., 569
Johnsen, T. B., 555
Johnson, R. W., 7, 873
Jones, D., 513

Kannan, H., 707
Kant, G. J., 279
Karamizrak, O., 701
Katayama, T., 633
Kato, K., 707
Katona, C., 365
Kawanishi, C., 399
Keller, R. W., Jr., 525
Kelley, K. W., 873
Kelly, S. J., 231
Kelso, E. W., 169
Kemble, E. D., 543
Kiefer, S. W., 149
Kirby, D. A., 145
Kiriike, N., 603
Kirschbaum, C., 507
Kiuchi, T., 551
Knapp, R., 639
Kobayashi, T., 257
Kondo, Y., 165
Koopmans, H. S., 787
Kos, J., 671
Kostal, L., 963
Kraeling, R. R., 15
Kubo, T., 884
Kudryavtseva, N. N., 37
Kuhn, C., 895
Kunitake, T., 707
Kurioka, M., 603
Kuroda, H., 633

Laessle, R. G., 725
Lamas, E., 153
Lambert, E. V., 701
Langan, C. J., 265
Langhans, W., 199
Laudenslager, M. L., 191
Lejeune, H., 919
Lemieux, S., 811
Le Neindre, P., 693
Leshem, M., 65
Levin, E. D., 863

Macrae, A. W., 667
Marasca, J., 395
Marchant, E. G., 273
Martin, R. J., 169, 433
Mason, R. T., 137
Matsumoto, T., 165
Matsuno, K., 257
Matt, K. S., 477, 639
Matthews, L. R., 931
McBurney, D. H., 181
McCabe, P. M., 325
McCaughey, S. A., 319, 373
McConathy, W. J., 771
McGlone, J. J., 15
Melloni, R. H., Jr., 359
Melo, N., 331
Mercer, M. E., 311
Messier, C., 879
Metzger, E. D., 537
Meyer-Rochow, V. B., 159, 613
Michalowski, M. B., 395
Mistleberger, R. E., 273
Mita, S., 257
Monda, M., 687
Montgomery, G. H., 737
Moore, I. T., 639
Moore, M. C., 639
Morali, G., 285
Morgan, L. R., 955
Morita, M., 884
Morita, Y., 159, 551
Morris, M., 731
Motta, R., 653
Mouton, D., 653
Mucha, R. F., 293
Müller-Ruchholtz, W., 957
Murakami, N., 633
Murison, R., 555
Mutz, G., 293
Myers, R. D., 71

Nadler, R. D., 425
Nakai, M., 633
Neil, L., 273
Nielsen, D. M., 525
Ninomiya, Y., 829
Noakes, T. D., 701
Nolan, L. J., 319, 373
Norman, R. L., 15
Nurse, R. J., 949

Oakes, M. E., 45

Olazabal, D. E., 779
Ono, T., 399
Orsini, J.-C., 93
Osborne, P. G., 485
Oskina, I., 381
Overduin, J., 569
Overmier, J. B., 555

Papini, M. R., 627
Pause, B. M., 957
Pellón, R., 153
Pérez, C., 25
Perks, S. M., 1
Perrin, J., 93
Petry, N. M., 119
Pfaus, J. G., 717
Phillips, D. L., 83
Picard, M., 803
Piercy, K. T., 71
Pinto, J. M. B., 145
Pirke, K. M., 725
Pliner, P., 331
Plyusnina, I., 381
Polich, J., 843
Pop, E., 225
Porter, J. R., 619
Prasad, C., 743
Propes, M. J., 7
Puddicombe, J., 337

Raju, T. R., 411
Rashotte, M. E., 83
Read, N. W., 679
Reebs, S. G., 661
Reid, K. J., 795
Reis, A. M., 215
Reite, M. L., 191
Rhinehart-Doty, J. A., 319
Richard, D., 131
Richards, J. E., 231
Rissman, E. F., 387
Roberts, B., 667
Roberts, S. M., 101
Rogers, R. C., 57
Rolls, E. T., 461
Rolls, J. H., 461
Rosat, R., 395
Rudoy, J., 65
Ryan, D. H., 249

Sachs, B. D., 165
Saita, M., 707
Salak-Johnson, J. L., 15
Sanders, B. J., 749
Sano, A., 551
Santarromana, M., 653
Savory, C. J., 963
Sayler, J. L., 127, 475
Scanlan, J. M., 191
Schafe, G. E., 775
Schneiderman, N., 325
Schwartz, S., 301
Sclafani, A., 25, 351
Scott, T. R., 319, 373
See, R. E., 755
Segreti, J., 873
Sei, H., 551
Senda, T., 257
Seno, H., 551
Shaham, Y., 337
Sharma, N., 279
Shawar, L., 743
Shimokawa, A., 707
Simpson, H., 591
Sinclair, S. V., 273
Singh, J., 411
Siviy, S. M., 597
Slotnick, B. M., 903
Smagin, G. N., 249
Smale, L., 365
Smith, B. A., 101
Smith, B. H., 107
Smith, G. P., 243, 819, 823
Smith, J. C., 319
Smith, M. T., 137
Smith, W. J., 717
Smithurst, P. R., 907
Spear, L. P., 895
Spratt, R., 879
Stamper, J. L., 521
Stewart, J., 337, 717
Stollar, C., 537
Sullivan, T. N., 301
Sullo, A., 687
Sun, M., 433
Svec, F., 619
Swanson, E., 101

Takeda, N., 884
Tamura, R., 399
Tanebe, K., 399
Taylor, P. R., 613
Tepper, B. J., 949
Thanos, P. K., 903
Thiele, T. E., 149
Thompson, H., 743
Torii, K., 399
Tremblay, A., 811

Uchida, K., 159
Uno, A., 884
Uvnas-Moberg, K., 679

Vallortigara, G., 31
Van Acker, K. J., 419
van den Bergen, H., 879
Van Den Heuvel, C. J., 795
Van Het Hof, K. H., 343
Van Reempts, P. J., 419
Verboeket-Van De Venne, W. P. H. G., 343
Vilariño, M., 803
Visker, K. E., 525
Vonk, J. M., 77

Waas, J. R., 931
Wagner, E. L., 175
Walchak, C., 591
Weiss, R. V., 293
Weller, A., 819
Wells, A. S., 679
Westerterp-Plantenga, M. S., 343, 939
Weststrate, J. A., 343, 939
Weyers, M. H., 919
Whisnant, C. S., 15
Widholm, J. J, 279
Wijckmans-Duijsens, N. E. G., 343, 939
Wilcox, Z. C., 447
Willing, A. E., 787
Winter, J. C., 609
Winters, R., 325
Wirsig-Wiechmann, C. R., 867
Wolfe, B. E., 537
Wouters, A., 419
Wright, B. E., 619
Wurmser, H., 725

Xavier, M. H., 395

Yamagami, S., 603
Yamamoto, Y., 884
Yamanouchi, K., 165
Yamatodani, A., 884
Yang, L.-Y., 889
Ye, S. H., 731
Yettefti, K., 93
Yo, T., 803
Youngblood, B. D., 249

Zachariah, N. Y., 771
Zheng, G., 447
Zhou, J., 249
Zhou, S., 145
Zoumas-Morse, C., 591

Accelerometric recording, 285
ACh-M receptor, 411
Acquisition, 153
ACTH, 895
Active immunization, 649
Adaptation, 181, 731
Adjunctive behavior, 301
Adjunctive drinking, 153
Adolescence, 359
Affective behavior, 325
Age, 671
Aggression, 45, 359, 639, 771
Aging, 609
Agonistic interactions, 37
Alcogene, 71
Alcohol, 231
Alcohol intake, 71
Alcohol odor, 71
α Receptor agonists, 257
α_1 Receptor subtype, 257
Amiloride, 775
Amino acids, 537
Amphetamine, 499
Amygdala, 45, 717
Anabolic-androgenic, 359
Anabolic steroids, 265
Analgesia, 311
Androgenization, 513
Androgens, 265
Animal model, 191, 477
Anorexia, 399
Antarctica, 159
Anticipatory nausea, 737
Anxiety, 37
Apomorphine, 555
Appetite, 461
Arousal, 331, 627, 717, 963
Arsenic, 455
Arvicanthis niloticus, 365
Atenolol, 795
Athlete, 811
Atropine, 411
Attachment, 693
Attention, 231
Autonomic nervous system, 419
AV3V, 707

Bait shyness/neophobia, 569
Baroreceptor reflex, 325
Behavior, 7, 15, 209, 359, 555, 653, 731, 857, 867, 873, 907
Behavioral thermoregulatory responses, 659
Benzodiazepine, 119, 395
β-Hydroxy-acyl-CoA dehydrogenase, 701
B-hydroxybutyrate, 433
Bicuculline, 411
Binge eating, 569
Blood pressure, 749, 963
Body temperature, 83
Body weight, 225, 787
Body weight set-point, 131
Bonnet monkey, 191
Borderline hypertensive rat, 749
Brain lateralization, 31
Brain metabolism, 513
Brainstem, 57
Brain weight, 653
Breast cancer, 737
Brown adipose tissue, 687
Bulimia nervosa, 569
Burning, 181
Butanol, 209

C3H/HeJ mice, 873
C57B1/6 male mice, 209
C57BL/6, 499
Cachexia, 399
Caloric intake, 671
Capsaicin, 181, 949
Carbachol, 411
Carbohydrate meals, 679
Cardiovascular, 293, 325
Carnitine acyltransferase, 701
Catecholamine, 447, 639
Catecholaminergic neurons, 93
Catecholamines, 145, 249, 731
Cattle, 693
Caudolateral neostriatal ablation, 493
Central vs. peripheral, 851
C-FOS, 895
Chemical fraction, 957
Chemosensory systems, 867
Chemotherapy side effects, 737
Chewing gum, 591
Chicken, 803, 963
Childhood obesity, 725
Chimpanzee, 829
Chlordiazepoxide, 119
Cholecystokinin, 679
Cholecystokinin (CCK), 819
Cholecystokinin receptors, 823
Chorda tympani nerve, 775, 829
Chronic, 863
Chronic intrauterine stress, 419
Chronic monitoring, 963
Chronic stress, 395, 895
Circadian, 83, 919
Circadian rhythm, 273, 365, 613, 633, 661
Citrate synthase, 701
Classical conditioning, 569, 737
Climbing, 499
Clonidine, 93
Cocaine, 563, 755
Communication, 137
Compliance, 293
Compound eye, 613
Computer, 803
Conditioned hypoglycemia, 569
Conditioned place preference, 1
Conditioned taste aversion, 1, 437
Conditioning, 319, 373
Context blocking, 437
Continence, 57
Copulation, 425, 889
Copulatory patterns, 77
Core, 795
Coronary artery occlusion, 145
Corticosterone, 7, 381, 447, 731, 895, 907
Cortisol, 693
CRF, 131
CRH, 15
Cross-fostering, 749
Cytochrome oxidase, 513
Cytokine, 399, 707, 873

DA D_2/D_3 receptors, 563
DBA/2, 499

Defeat experience, 543
Defeats, 37
Defecation, 57
Defense, 45
Defense reaction, 325
Defensive burying, 555
Dehydration, 763
Δ4-Androstenedione, 619
Depression, 477
Descending systems, 57
Desensitization, 181
Devazepide, 819, 823
Development, 597, 775, 857
DHEA, 619
Dialysis, 65
Diet-induced thermogenesis, 343
Dieting, 537
Diet selection, 433, 787
Dihydrotestosterone, 771
Dipsosaurus dorsalis, 175
Discrimination, 107
Diurnal, 365
Domesticated and wild gray rats, 381
Dopamine, 499, 525, 639
Dopaminergic sensitivity, 555
Drinking, 71, 763
DTG, 257

(−)Eticlopride, 563
Eating disorders, 569
Ecological validity, 293
EEG, 963
Ejaculation, 889
Electroantennogram, 107
Electrophysiology, 159, 373
Elephant, 771
EMG, 301
Energy, 387
Energy balance, 93, 131
Energy intake, 619, 725, 811
Energy intake compensation, 939
Energy intake reduction, 343, 939
Entorhinal cortex, 903
Entrainment, 273
Environmental stress, 731
Envision™, 25
Epinephrine, 639
ERPs probability, 843
Escape behavior, 31
Estradiol, 225, 955
Estrogen, 225, 755
Estrous cycle, 265
Estrus, 243
Ethanol, 71
Evolution of lateralization, 31
Exercise, 175, 447
Expenditure, 725
Exploration, 555
Extinction, 319, 373

Facial pain, 301
Factor analysis, 555
Fat, 679
Fat intake reduction, 343
Fatness, 811
Fat perception, 949
Fat preference, 743
Fat replacement, 939

Fear, 45
Feces, 83
Feed, 803
Feeding, 83, 199, 319, 461, 649
Feeding behavior, 93, 169, 395, 613, 803
Female, 755
Female hamster, 867
Female pacing behavior, 889
Female sexual behavior, 889
Fetal alcohol syndrome, 231
Fever, 659
Finickiness, 555
Fischer 344 rats, 775
Fish, 31
Fish eye, 159
Fixed-interval performance, 279
Flavor release, 591
Fluctuating asymmetry, 31
Fluvoxamine, 603
Food, 311
Food availability, 671
Food content, 603
Food delivery, 879
Food deprivation, 153
Food intake, 131, 169, 199, 243, 279, 461, 521, 537, 743, 803
Food neophobia, 331
Food preferences, 331, 671
Food restriction, 499, 603
Footshock, 895
Free-running period, 661
Frustration effect, 627
Functional capacity, 513

GABA, 119
$GABA_{A,B}$ receptors, 411
Gallus gallus var domesticus, 493
Gamma amino butyric acid, 169
Garter snake, 137
Gas chromatography, 957
Gastric filling, 127
Gastric ulcer, 555
Genetics, 71, 653
Genitals, 425
Glucose, 93, 351, 819
Glucose intake in humans, 569
GnRH, 137
Gravity, 884
Gray short-tailed opossums *Monodelphis domestica*, 857
Great apes, 425
Guarding behaviour, 493

Habituation, 543
Hamster, 477, 661
h-CRH challenge, 507
Heart rate, 145, 231, 293, 693, 963
Heat exposure, 763
Hematocrit, 763
Hepatic encephalopathy (HE), 851
Heroin, 337
Hippocampus, 577, 903
Histamine, 884
Hoarding behavior, 131
Honey bee, 107
Hormone, 679, 889
Human, 65, 181, 293, 301, 311, 343, 737
Human growth hormone, 725
Humoral immunity, 447
Hunger, 343, 939
Hyperglycemia, 93
Hypermotility, 563
Hypertension, 145, 749
Hypoglycemia, 93
Hyposmia, 209
Hypothalamus, 325, 619, 717, 779
Hypoxia, 231

Immediate memory, 843
Immunity, 15
Immunodepression, 907
Inbred rats, 597
Inbred strains, 499
Incentive, 717
Incentive learning, 1
Independent ingestion, 819
Induced estrus, 955
Ingestion, 65, 803
Insulin, 679, 725
Insulin β, 649
Insulin secretion, 569
Interleukin-1β, 7
Interstimulus interval, 843
Intracerebroventricular, 433
Intraduodenal infusions, 351
Intragastric infusions, 351
Intragastric preload, 763
Intrauterine position, 77, 513
Intravenous drug self-administration, 337
Intravenous preload, 763
Intromission, 889
Irritation, 181
Isolation, 895

Jenynsia, 31
Journey time, 931

Kainic acid, 707, 779
Ketamine, 563
Ketone bodies, 433
Kidney, 707

L365, 260, 823
Lateral asymmetries, 31
Lateral geniculate nucleus, 633
Lateral hypothalamus, 411
Laterality, 525
Lateral olfactory tract, 903
Learning, 609
Lentinan, 399
Lever press, 119
Licks, 153
Lipopolysaccharide, 7 873
Lizard, 639
Locomotion, 499
Locomotor activity, 71, 633, 851
Locus coeruleus, 895
Lordosis, 867
Lorglumide, 823
Lumbosacral reflexes, 57

Macronutrient composition, 939
Macronutrient preference, 743
Magnesium, 653
Male copulation, 285
Male rat, 165, 337
Male sexual motivation, 425
Maltodextrins, 25
Maltose, 819
Marsupials, 857
Maternal behavior, 749, 779
Maternal stress, 455
Meal intake, 787
Meal patterns, 199
Mecamylamine, 863
Medial prefrontal cortex, 525
Melatonin, 795
Memory, 609, 863
Memory impairment, 257
Mercaptoacetate, 521
Mesencephalic locomotor region, 285
Metabolic rate, 725
Methylmercury, 455
Mice, 37, 257, 455, 879, 907
Microdialysis, 884
Microelectrophoresis, 93
Microstructure of ingestion, 243
Microtus ochrogaster, 955
Midbrain, 717
Mitogen response, 191
Modulation, 907
Mongolian gerbils, 77
Monoamines, 653
Mood, 679
Motion sickness, 884
Motivational state, 1
Motor activity, 293
Mouth dryness, 667
Multiple unit activity, 285
Multiunit activity, 775
Multivariate analysis, 555
Musth, 771

Natural cytotoxicity, 191
Negative effect, 301
Neonate, 419
Nervous system, 779
Nervus terminalis lesions, 867
Neural control of ingestion, 433
Neuropeptide Y, 633
Neurotoxin, 779
Nicotine, 671, 863
Nicotinic, 863
Nocturnal hypothermia, 83
Nonagonistic behaviors, 543
Noncontact erection, 165
Nonphotic, 661
Nonphotic zeitgebers, 273
Norepinephrine, 215, 639
Novel foods, 331
Novel odors, 543
Nucleus accumbens, 525
Nucleus of the solitary tract, 373
Nutrients, 787

Odor memory, 903
Offense, 45
Olfaction, 107
Olfactory sense, 71
Olfactory thresholds, 209
Open field behavior, 851
Open field test, 381
Operant cage, 879
Optical fiber, 485
Ovariectomized, 755
Ovulation, 387
Oxygen consumption, 687
Oxytocin, 731

P3(00), 843
Pagothenia borchgrevinki, 159
Pain, 311, 493
Palatability, 243
Pan troglodytes, 425
Parachute jumping, 507
Paradoxical sleep, 485
Paradoxical sleep deprivation, 249
Paraventricular nucleus, 325, 895
Parotid saliva, 591
Partial beak amputation, 493
Partial reinforcement, 627
Partition test, 37
Passive avoidance, 45
Passive-avoidance performance, 257
Pavlovian conditioning, 1
Paw preference, 525
p-Chlorophenylalanine, 165
Peak interval procedure, 919
Penile erection, 57
Periweanling rats, 895
Phase-advance of LD cycle, 551
Phase shift, 661
Phentolamine, 215
Pheromones, 137
Photoreceptors, 613
Physical activity, 811, 963
Pica, 884
Picrotoxin, 411
Pigeon, 83
Pigs, 15
Plasma glucose, 215
Plasma osmolality, 763
Plasma protein, 763
Plasma sodium, 763
Play, 597, 857
Pleasantness, 461
Plus-maze test, 37
Position, 293
Positive patterning discrimination, 577
Postingestive stimuli, 243
Postmaturity, 101
Postnatal development, 455
Postprandial, 679
Postprandial satiety, 199
Prairie vole, 955
P rats, 71
Predator odors, 543
Prenatal cocaine, 895
Prenatal toxins, 455
Preoptic area, 215
Pressure, 311
Preweaning *Zeitgeber* shifts, 919
Primary frustration, 627
Primates, 425, 829
Proboscis extension conditioning, 107
Proglumide, 823
PROP, 949
Propranolol, 215
Psychoneuroimmunology, 191
Psychophysics, 181
Psychosis, 563
Psychosomatic vulnerability, 555
PTC, 949
Puberty, 387
PVN, 779
Pyloric cuff, 127, 351

Quarter-life, 279
Quinine, 119

Radial maze, 609
Radiotelemetry, 963
Rat, 7, 119, 149, 153, 169, 249, 265, 285, 319, 373, 395, 437, 551, 555, 577, 603, 609, 627, 649, 763, 779, 884, 919
Rat skeletal muscle, 701
Rearing, 851
Rebound hyperphagia, 603
Red deer, 931
Reference memory, 249
Reflexive erection, 165
Reinstatement, 337
Relapse, 337
Relative salience, 577
Repeated stress, 507
Reproduction, 137, 387
Reproductive success, 77
Reptile, 639
Respiratory distress syndrome, 231
Respiratory sinus arrythmia, 231
Response to novelty, 755
Responsiveness, 101
Resting energy, 725
Restraint stress, 395
Restricted feeding, 83
Retention interval, 437
Retina, 159, 613
Reunion, 693
Reward, 1
Risk assessment, 543
Ro 15-4513, 119
Rotation, 525

(−)-SKF-10, 047, 257
(+)-SKF-10, 047
Saccharin, 149
Saline ingestion, 127
Saliva flow, 667
Salivary cortisol, 507
Salt, 65
Satiation, 199
Satiety, 127, 243, 343, 537, 819, 823, 939
Scent marking, 77
Scopolamine, 257
SC pellet, 225
Selective attention, 577
Selective breeding, 149
Self-administration, 755
Self-stimulation, 411
Seminal vesicles, 225
Sensation seeking, 331
Sensitization, 181
Sensitization to time, 919
Sensory adaptation, 107
Separation stress, 477
Serotonin, 165, 249, 537
Setpoint temperature, 659
17-β estradiol, 755
Sex differences, 857
Sex ratios, 77
Sexual arousal, 337
Sexual behavior, 137, 285, 387, 425
Sexual receptivity, 265, 955
Sexually active female rats, 337
Shivering, 83
Shrew, 387
SIB, 301
Single fiber recording, 829
Sleep, 649, 795
Sleepiness, 679
Sleep onset latency, 795
Sleep-wake rhythm, 551
Smell, 461
Smoking, 293, 671
Social behavior, 597
Social isolation, 597
Social separation, 693
Social support, 191
Sodium appetite, 65
Solitary tract nucleus, 93
Species differences, 25
Spectral and absolute sensitivity, 159
Staggerer mutation, 209
Startle, 555
Stereotypies, 499, 555, 563
Steroids, 359
Stimulus generalization, 107
Stimulus sequence, 843
Stocking density, 931
Strain differences, 775
Stress, 15, 279, 337, 447, 499, 555, 639, 653, 717, 749
Stress hormones, 477
Striatal blood flow, 485
Striatum, 525
Subjective withdrawal symptoms, 671
Sucrose, 25, 101, 119
Sucrose polyester, 939
Supraoptic nucleus, 895
Sweet food ingestion, 395
Sweetness inhibitors, 25
Sweet taste, 829
SWS, 485
Sympathetic activity, 687
Sympathetic nervous system, 639
Synergy, 199

(+)-3-PPP, 257
Tactile stimulation, 867
Taste, 119, 319, 461
Taste preference, 65
Taste quality coding, 829
Taste reactivity, 149
Teratology, 231
Testosterone, 771, 907
Thamnophis, 137
Thermogenesis, 83, 687
Thermoregulatory behavior, 175
Thermostat, 659
Thirst, 127, 763
Time-intensity, 591
Time sampling, 293
T-maze, 863
Tongue, 181
Torpor, 521
Trained rats, 957
Transport stress, 931
Tremors, 101
Trypsin inhibitor, 819
Tryptophan, 537
Tumor necrosis factor, 399
2-deoxy-D-glucose, 521
2-Deoxy-D-glucose (2-DG), 819

Underreporting, 811, 939
Unit activity, 93
Unsignaled delays, 153
Urinary Na excretion, 707
Urinary volatiles, 957
Urine output, 763

Vaginal cytology, 755
Vanillin, 209
Ventral prostate, 225
Ventral tegmental area, 285
Ventral tegmentum, 411
Ventromedial hypothalamus, 687
Victories, 37
Video, 803
Vision, 613
Vitamin B12, 551

Water deprivation, 127
Water ingestion, 127
Water intake, 707, 763
Water pleasantness, 667
Water temperature, 667
Welfare, 931
Wheel running, 273, 661
Wheel-running activity, 365

Zucker rat, 619